



SCEP widens focus to include social life

By Kyle Richardson

MIT's Student Committee on Educational Policy is currently concentrating on the documentation of previously unexplored areas of MIT's academic and social life.

SCEP held its first meeting of the term in the lobby of Building 7 Wednesday evening to discuss prospective areas of documentation.

Highlighted were evaluation of the January Independent Activity Period and the preparation of student-instructed-course evaluation formats. Evaluation of freshman and senior pass/fail grading and the use of final examinations are also open for study.

George Flint, student representative to SCEP's faculty counterpart, the Committee on Educational Policy, described SCEP's present interest in documentation: "You must realize the number of decisions made at MIT that are based on inadequate information. I'd like SCEP, or any students to work on unexplored topics. Students have the manpower and time to do research and report their results to the faculty."

Information important

"Here, it's the people with the information that have the power. If students provide 90% of the information, then the

students have 90% of the power."

SCEP's proposed research and documentation projects are not without prototype. "A Summary Report on the Prospective Freshman Media Study (1970)" a recent SCEP publication, is the product of an experiment begun last March by Grossman. This experiment determined the impact of different media, particularly two experimental letters on prospective students' decision to come to MIT, and attempted to

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Deficit threatens research

By Duff McRoberts

A persistent deficit and recent cutbacks in government funding continue to trouble MIT's financial position, but some projects are likely to go ahead as planned.

According to Comptroller Stuart Cowen, the Haystack Radio Observatory is in particular difficulty due to the Air Force's withdrawal of support. The National Science Foundation (NSF) has come to the assistance of the facility, and several colleges in New England have pooled their resources to give further help, but operations are still continuing on a financially unsteady basis, he said.

Another special MIT facility, the National Magnet Laboratory, has support from the Air Force that will carry it through next June at least, but new support from NSF will be necessary after that.

Many of the difficulties are due to last year's passage of the so-called "Mansfield Amendment," which was an attempt to shift support of non-defense-related scientific research to NSF, away from the military. Funds which were thus cut from the military budget were never added back into the NSF's appropriations.

Cambridge Accelerator
The Cambridge Electron Ac-



Such student demonstrations as this one last fall raised the issue of the appropriateness of maintaining large, defense-oriented special laboratories. Funding difficulties will force MIT to retain the Draper Labs for another two or three years.

troller Paul Cusick and Professor Charles Miller, a board member of the Draper Labs and a past director, said that poor economic conditions have changed the labs financial picture since last spring. At that time, President Howard Johnson proposed a goal of making the labs an independent division of MIT within a year, and severing legal and financial ties shortly after. At

the end of this period, the Draper Labs were to become a private corporation. Most estimates of this phase now run between two and three years. Vice-President for Organizational Systems John Wynne said that MIT's commitment to divest the labs as soon as possible had not changed, but that it was too early to set an arbitrary time-limit on divestment proceedings.

Vice-President for Research Albert Hill said that "a year was what Johnson had hoped for. I wouldn't count on divesting, though within a year. It's very touch and go. If we are to divest, we must do it with regard to the least possible cost. Setting an arbitrary time-limit gets rid of the idea of least possible cost."

Johnson, several sources stated, was committed to keeping the three year loss to 10 million

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CJAC receives outline of top Institute posts

By Curtis Reeves

MIT's top administrators explained their responsibilities to the Corporate Joint Advisory Committee last Monday night.

These were the preliminary steps in CJAC's consideration of candidates for the next President of MIT.

President Howard Johnson, Provost Jerome Wiesner and Chairman of the Corporation James Killian addressed CJAC.

President Howard Johnson began by describing his most important task as that of "education management and development." A part of this job is planning and supporting new programs as well as reconsidering the present framework. Johnson spoke of the need for more time for both the president and the provost for conceptualization.

Other important duties, he said, include executive operation of the Institute, financial planning and the preparation of the budget.

Johnson said that the number of his public appearances has been cut by one half since his first year as president because of increased demands for providing "intellectual, valuable stimulation to meet the hopes of so many people at MIT."

Wiesner sees the post of provost as the principle academic office, dealing mostly in the allocation of space. Wiesner, in comparing his job to that of

president, noted that he had more time to be creative, but observed that last year was "almost a lost year as far as new programs were concerned." His office is presently concerned with such programs as environmental field activities and urban systems.

Killian, Chairman of the Corporation, reviewed administrative procedure at MIT. His own job he dismissed as a staff function, adding that he did not involve himself in decision making. One of the duties of the Corporation, he said is to "keep itself informed in order to perform its corporate duties." For this purpose, he said, there are thirty-two standing and visiting committees which employ over 370 people.

Killian suggested that these and many other people will soon have an important consideration on their hands when he said that although it is the duty of the Corporation to select the President, "no little group is going to reach a decision alone."

IFC to discount textbooks

By Lee Giguere

A plan to buy textbooks and sell them to fraternity brothers at cost was announced at last Tuesday's IFC meeting.

The meeting was held after dinner at the Red Coach Grill and was concerned primarily with hearing reports from various IFC committees.

The Purchasing Manager's Council reported that it was going to start a book sale next semester. Textbooks would be sold to brothers at a savings of 15 to 20 per cent. The report also pointed out that if all the houses participated fully in the PMC, they could cut their food bills as much as two-thirds.

IFC Treasurer Dave Krackhardt reported on the house treasurers' conference at Endicott House last Sunday. The main topic of the conference was the problem posed by the January Independent Study period. Most houses, it appeared, would be operating as usual, although some, Krackhardt said, would give rebates. The main difficulty was with fixed operating costs which the houses could

not avoid over the period.

Unpaid accounts

The conference also discussed a computer program which the IFC has written for houses to use to prepare their housebills, as well as monthly reports. Krackhardt explained that the problem of unpaid accounts was considered as well. He noted that houses which either required that brothers sign contracts at the beginning of the term or sign a promissory note when they were late in paying bills had very few problems. A few houses, however, had outstanding accounts of several thousand dollars.

Krackhardt termed the conference "pretty successful."

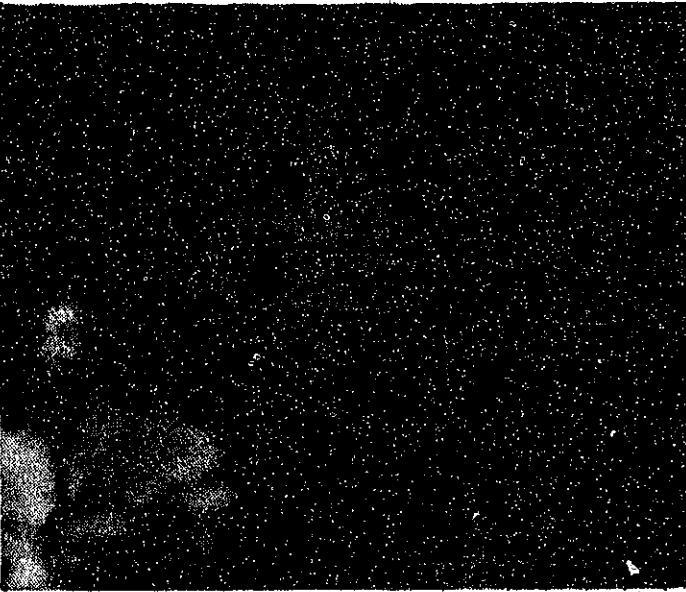
The meeting considered the problem of future IFC finances. In the past, the IFC's operating expenses have been paid by the money it charged freshmen for running Rush Week. Since the Institute has taken over than operation, the IFC will now have to raise all its funds, approximately \$2500 a year, directly from the houses. This was close-

ly related to the problem of deciding what the individual houses wanted the IFC to do for them. A house president's conference is being planned for the first weekend in November at which this will be one of the prime concerns.

Injunction threatened

The Community Relations Committee reported that one house had been drawing a large number of complaints because of noise. Reportedly, the house has been threatened with an injunction in the form of an order to "cease and desist." The implications of such an action could be very serious. If it resulted in the revoking of the house's license, the house would be forced to close since the zoning laws in the Back Bay prohibit the licensing of new fraternities. CRC emphasized the importance of maintaining good relations.

Dubois Montgomery, IFC vice-chairman, announced that the Social Committee, chaired by Steve Baxter of CP, was planning a beer blast for mid-November.



People

Photography by Red Van Derson



Sympathy for the young

By Alex Makowski

"A nation driven to use the weapons of war upon its own youth is a nation on the edge of chaos. A nation that has lost the allegiance of part of its youth is a nation that has lost part of its future."

It was almost too much to hope for. What student last spring could have expected that President Nixon's specially appointed Commission on Campus Unrest would have probed so deeply and courageously into the turmoil that besets our universities? What student could have expected a report echoing the concerns so many American young have voiced?

Hand-picked

The average age of the Commission members was 43. Hand-picked by Nixon's staff, the panel included government figures, campus representatives, and a city police chief; their backgrounds add increased force to the weight of their conclusions and recommendations. They direct their criticism at the

Analysis

D-Lab divestment

By Joe Kashi

MIT, once the proud parent of the Instrumentation Labs, a "national asset," has found itself the near-broke sponsor of a dependent yet prodigal Draper Labs now regarded as delinquent to the new order. In effect, the D-Labs have become a wholly-disowned subsidiary of MIT.

With a postponement of divestment likely due to unanticipated fiscal trouble, MIT finds itself in the embarrassing position of retaining the labs longer than the year most people accepted as the time-limit for divestment. While President Johnson said last spring that he was only aiming for a year's time to divest, most people at MIT soon considered divestment a year-long process. Even though issue-oriented campus politics appear dormant this year, Johnson will have to defuse any hostility which might be aroused by these misunderstandings over time scales.

MIT will have to take this into account when it makes a preliminary decision on entering the second stage of the split. The Draper Labs are encountering much difficulty in obtaining the capital needed to become a private corporation: total divestment too soon could cause complete financial disaster for the labs and the people working there. Conceivably, the DOD might then take over the labs entirely.

One way out for the labs would be to set them up as a non-profit corporation. This would allow the labs to obtain advance government payments on contracts that would enable the labs to meet payrolls and costs. Though non-profit corporations are not fashionable in the academic community right now, this approach would allow MIT to divest the labs more rapidly without forcing the labs to oper-

THE WIZARD OF ID

government, the university administrations, and the students; their suggestions are also offered to all three parties. Still, their sympathy for the young cannot be denied.

And, though the report was written for the entire country, much of its findings are especially applicable to our own campus. The MIT community must thoughtfully consider the Commission recommendations.

Campus changes

The national campus environment has changed dramatically over the past decade. America's students, once content to docilely pursue their studies sequestered from the outside world, have looked beyond their textbook problems to the ills of our modern society. And where earlier pupils were willing to passively accept a mechanistic approach to education, today's generation has demanded an alternative to assembly-line methods.

Student attempts to develop improvements precipitated the

current crisis. Polarization was all but inevitable as moderate students met intransigent adults, or radical leftists collided with America's "liberal" tradition. Caught in the middle, the universities have borne the brunt of the attack from students and society (government) alike.

Two crises

The Commission described the situation by picturing two crises: the crisis of violence and the crisis of understanding. Their report notes that the violence on campus is a reflection of the gradual brutalization of our society - "Too many Americans have begun to justify violence as a means of effecting change or safeguarding traditions" and indicts "students who bomb and burn," "police and National Guardsmen who needlessly shoot or assault students," and "all those who applaud these criminal acts."

As for understanding, the Commission notes three foci for campus unrest - "the war, racial injustice, and the university itself." The student concern stems from an emerging life style encompassing "high ideals" and great fears. The students stress the need for humanity, equality, and the sacredness of life. But among the members of this new culture the Commission found a growing impatience and intolerance for the traditional American goals and methods. This attitude is mirrored in a widespread refusal among adults to react rationally to student activism. So the crisis of violence and understanding feed upon each other in an ever-growing circle.

Conservative spokesmen

Much has been made by conservative spokesmen (such as Agnew) and conservative media (such as *Ergo*) of the supposed charge that the government is "responsible" for campus problems. Agnew labelled this notion poppycock (I cannot hope to

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THE TECH
Student Newspaper

Friday, October 2, 1970

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Letters to The Tech

The Presidency

To the Editor:

I'm writing to ask for a correction of some facts which appeared in the September 22 issue of *The Tech* in the article headlined "Students Face Job Shortage."

There are three errors which emerged:

1. The Institute borrows from private sources, *not* from the U.S. Treasury.

2. National Defense Loans bear interest of 0 percent while a student is in school and 3 percent (not 3½ percent) after leaving school.

3. Technology Loan Fund loans bear interest at 0 percent while a student is an undergraduate and 6 percent thereafter.

I would appreciate a correction of those facts in some future issue to preclude confusion on the part of aid recipients.

Daniel T. Langdale
Associate Director

by Brant Parker and Johnny Hart

The Wizard of Id appears daily and Sunday in *The Boston Herald Traveler*.

be subject to the same ultimate necessities imposed from above, by the Board.

I think the key phrase above was "responsible to the Board". This mysterious Board, whose members are seen by few students, is probably the group most irrelevant to the day-to-day realities of MIT life. Yet its shadow can be discovered, it seems, in many broad policy formulations though in nothing very definite. (This might be because the Administration writes and executes those policy formulations.)

I think that the long range interests of MIT would be served much better if the next president were selected from, and by, the faculty, who would also have sole power to remove him from office and return him to a professorship. After all, the faculty are far more immediately concerned with MIT than are the Board members, many of whose attention must be diverted by strikes, oil spills, Congressional investigations, etc., or by other corporations they are directors of.

Also, the faculty has a considerably wider range of opinion represented in it than the Board has. This means that the President would be free to take steps that he wouldn't have dared consider while working for the Board, in full knowledge that, while any action he took might be condemned by some, it would be approved by others and while he would need sizeable support, he would have

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Geneticist seeks new environments at MIT

By Lee Giguere

(Ed. Note: Dr. Har Gobind Khorana was appointed Alfred P. Sloan Professor of Biology and Chemistry last fall. Formerly of the University of Wisconsin's Enzyme Institute, Prof. Khorana won the 1968 Nobel Prize in Medicine or Physiology and last summer, his research team synthesized the gene for alanine transfer RNA from yeast. They were the first to synthesize a gene by combining simple organic chemicals in a test tube. On Tuesday, The Tech interviewed Prof. Khorana.)

The Tech: Prof. Khorana, why did you decide to come to MIT?

Khorana: As far as my move to MIT is concerned, there are principally two reasons. The first and most important is a desire on my part to once again change my environment. I certainly have had absolutely no cause for complaint at the University of Wisconsin. We were really set up pretty well and had everything we needed, and I had the unique privilege of devoting myself to research without any teaching or administrative duties.

We worked at the Enzyme Research Institute which was set up by the University of Wisconsin for the purpose of biochemical research at the graduate and post-doctoral level. I spent the last ten years there.

Before that, I worked eight years in British Columbia. My principal reason for leaving British Columbia, where again I was well set up for research, was the same as for coming here.

I think that it is really very desirable to change one's academic friends and environment occasionally: one may stay fresh and intellectually alive longer and, I think, one hopes for new influences. This area here is very rich; I would say unique; in terms of the intellectual climate. Indeed, if there is really any area on this continent that I thought I would consider moving to, it would have been this area, and that's why I came.

Secondly, a special consideration in our case, we are really working in an area that is right on the borderline between chemistry and biology. Our present physical location in the new Chemistry building makes effective interaction between chemists and biologists possible. To have spontaneous interaction with colleagues I think you want to minimize as far as possible the physical distance.

The Tech: Did you bring many of your old staff members with you?

Khorana: All of the people that were working with me are here. My move also makes it possible to renew association with a former close colleague of mine, Dr. V.L. Rajbandary. Dr. Rajbandary, who is an Associate Professor in Biology, came here last year. His appointment was given to him on the strength of his own personal qualifications, completely independent of my own decision. All the rest of the group that was with me this past year came with me, nine senior post-doctoral people in all.

The Tech: Is it true that you're only doing research and not teaching at all?

Khorana: I'm not teaching any courses in that I'm not listed in any course. I hope to get

involved in seminars and also to accept some students eventually.

I'm not averse to teaching but I'm not doing any at the moment. On the other hand, I think we have done a lot of teaching at the post-doctoral level in the past 18 years.

I have always had people who had received their Ph.D. and were in the process of crystallizing their ideas about their future and were at the point of making a serious commitment to research and a teaching career. The people who come to us have been from different countries; in fact, from about 27 different countries. Often they have gone back to take up academic positions in their own countries; quite a significant number have taken up appointments on this continent. I am proud to say that at least 80 to 90 percent of my former colleagues have gone into teaching or research careers.

[Prof. Khorana also pointed out that his name had been included in the application for National Health Institute supported training programs undertaken by the Chemistry and Biology Departments and that he

the MIT campus was not. Campus unrest is much more of a national problem and by and large the solutions have to be found on a national scale.

The Tech: Did it feel funny to be walking to work with the National Guard around?

Khorana: Well, yes, it's certainly not a happy situation — it doesn't promote the tranquility that one needs to do his research or to devote to any intellectual pursuits. Certainly it was a very distressing experience to see many of my friends in the Physics Department demoralized after this disastrous thing, the bomb. I had several good friends there in the Physics Department. It was not true that they were doing classified research in that building; in fact, because of protests the University of Wisconsin had appointed a committee last to investigate the total situation in detail and had made its report available to anyone who wanted it, explaining in detail what kind of program was being followed there.

It is true that part of the financial support was coming or had come in the past from the Army but the research work that has been in progress there in recent years has been as unclassified and as academic as any other program in that department.

The Tech: Last summer, when you first synthesized a gene, was it a big triumph or was it something you had been working on for so long that it just came gradually?

Khorana: It came very gradually. It came after a lot of sustained effort in developing basic chemical methodology — chemical work that we had undertaken in the fifties — into connecting the building blocks that are found in polynucleotide chains of nucleic acid. Our recent ability to put together the gene by purely chemical methods as well as the work we did earlier on the genetic code was again made possible by the availability of chemical methods to put together chains of polynucleotides in any given arrangement of the individual nucleotides.

The Tech: When the announcement was made this summer that you had successfully synthesized a gene, it was reported that you would work next on one of the genes of the

E. Coli bacterium. How is that project progressing?

Khorana: I would say that we are about halfway finished there. Actually, we had started on that about two years ago and we are in the second part of our work. That is, we have made all the necessary pieces by chemical synthesis; now we have to bring them together in solution in the appropriate order to form the double helix. Then we join the individual pieces with the help

difficult to set a time scale, Khorana felt that the artificial breeding of people using natural eggs might be possible within 25 years. He noted, however, that surprise advances often invalidate such predictions.

Khorana admitted that the control of such biological techniques would be "a very difficult problem sociologically." However, he asserted that it is "better to take a positive attitude."

"To say that we must stop



of an enzyme. That is the stage that this work is at.

That would be the line that we would be pushing much more here. The many applications that perhaps will follow will depend on how rapidly we arrange and assemble that gene.

Prof. Khorana went on to say, however, that he foresaw no immediate practical application for the artificial E. Coli gene.

The most immediate applications that he saw for artificial genetic material would be in correcting inborn genetic defects. Most such errors result in metabolic disturbances, such as diabetes.

While noting that it is very

working on such and such lines of work because of the imminent danger of exploitation is really a sterile attitude," he said. After all, all human knowledge has this duality; the duality in human nature to use it for good or for evil. Take any invention or discovery: the ability to make fire, the discovery of the internal combustion engine — the society always has the power or the choice to use it for good or bad. Of course the greater the potential of a discovery, the more serious the choice becomes." Scientists must be conscious of the implications of their work, but Prof. Khorana also asserted that the main responsibility was society's.

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Sympathy for the young

(Continued from page 4) duplicate his prose), while an *Ergo* columnist assures us that "the problem lies with the rejection of reason as a means of making judgments (moral decisions) and the resulting flight to moral subjectivism and false 'idealism'."

It is doubtful that the Administration can be blamed for the crisis of violence (though Agnew's rhetoric might be labelled just as inflammatory as Mike Albert's). Many students, on the other hand, rightly blame Nixon for his part in creating the crisis of understanding. He bears a significant responsibility for the war and at least a minor responsibility for racial injustice, while few could argue that he has attempted to encourage confidence in America's youth.

Agnew comment

Vice President Agnew's own response to the report is a fitting example of Administration attempts to foment (politically profitable) polarization: "And the Commission lacked the moral vision to condemn that intellectual elite whose attacks on our institutions and society as racist and repressive have led students into believing this nonsense." (Perhaps Agnew will someday provide lessons in the application of "moral vision" to political debates.)

Moving to solutions, we should note that resolving these campus crises must prove inherently difficult. Universities are often powerless to achieve many of the goals students advocate (ending the war, for example). At the same time, universities must rely on outside help if activist students turn to violence. Once again, the universities are caught in the middle.

Universities unprepared

And events have developed so rapidly over the past few years that many universities have found themselves unprepared to cope with massive political actions, let alone outbreaks of violence. Neither faculty, administration, nor alumni could deal with or adjust to the new modes of student involvement. And too many students have proved unwilling to take the clear stand needed against violence.

Police guidelines

The Commission stresses the need for guidelines for action by local law enforcement agencies. Only careful planning can avoid the "tragedy" of police overreaction. And the report suggests

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that the government review its policies to insure that the integrity of American education remains unviolated. Finally, the members call on the Administration to increase the federal government's financial aid for colleges and universities.

End the War

Describing action the government can take on a larger scale, the Commission is unequivocal on an important point - "nothing is more important than an end to the war in Indochina." Ending the war, points out the report, would be part of a larger scheme of bringing the country together - "We recommend that the President take the lead in explaining to the American people the underlying causes of campus unrest and the urgencies of our present situation." In short, the Commission has asked Nixon to admit his government's failures abroad and at home.

As for internal reforms universities might make, they can begin by recognizing that violence must be rejected. Students and faculty who participate in campus violence openly defy the essential nature of the university: they should be expelled from the community. At the same time, each university must develop a clearly defined judicial system and code to provide for campus activism.

FSM issues

The Commission goes beyond similar judicial considerations to make some deeper observations on the quality of the education students are offered today: "One of the most valid criticisms of many universities is that their faculties have become so involved in outside research that their commitment to teaching seems compromised. We urge universities and faculty members to reduce their outside service commitments." This was one of the issues raised during the very first "campus disorder" - the Berkeley Free Speech Movement. That the Commission should have picked it up indicates how thorough their research must have been. And picking up another FSM issue, the report warns that schools must increase the role of students and faculty in university



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governments.

The Commission closes its reports with advice for students, advice best summed up when the authors note that "Students should not expect their own views, even if held with great moral intensity, automatically and immediately to determine national policy." Here is the crucial fact that students too often conveniently ignore: the majority of Americans must be persuaded.

What will it mean?

Last June President Nixon urged the Commission to have its findings ready early enough in the school year to permit positive remedies for campus problems. Now he has his report, and his Administration has already begun the process of discrediting it before the public. To expect Nixon to follow through on the Commission's suggestions is just too optimistic, but the report has given us students hope. If a middle-aged panel can reach such conclusions, perhaps we may dare to hope that someday we will reach the rest of the country as well.

Letters...

(Continued from page 4)

needed the equivalent anyway, both in his dealings with the faculty and with the Board.

To take this a step further, he would also be able to stand up to the Board without sweating out being fired. I think this would balance the power better, so that the Board would become more of a holding company, as it should be (maybe it should be responsible to the faculty too!). Much more open and effective debate and study could go on to find out what MIT should become and what it should do to reverse current trends, involving zooming rents in the Boston area, and that razing process

laughingly referred to as "urban renewal."

I believe that staff, employees, and students should also have a share in the process of selection of the President—he's their president, too. Inputs from the first two groups won't be as easy to organize or to get, right now. In talking with some workers, you get the impression that the people who are running the union are overly fond of the Administration's ass. Also, people who speak up too loudly against the Administration can be in peril of their jobs. Nevertheless, these problems must not prevent inputs—they will require circumvention.

Mike Federow '73

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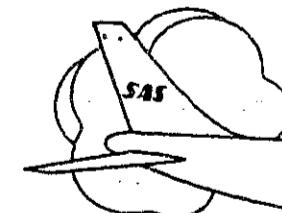
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SCEP expands range beyond academic arena

(Continued from page 1) provide inputs to the continuing work of the Commission on MIT education, the Office of Admissions, and other offices concerned with how prospective students form their image of MIT. Analysis of questionnaires sent to about 500 prospective freshmen revealed that a total of more than ten or fifteen students were noticeably influenced by the letters; the letters may have been significant in only 1 to 3 percent but not in a uniform manner.

Personal contact

Further analysis indicated that "the attractiveness of multiple personal contact seems to have a distinct impact on a student's accepting or rejecting admission to MIT."

Grossman concluded his report with the recommendations that "increased emphasis should be placed on the arrangement of

informal talks between prospective students and MIT students, especially in the Spring, to answer any questions they may have about life at MIT; that the Office of Admissions should review the impact of its interviews of prospective students on those students; and that there should be serious reconsideration given to the value of 'Introducing MIT', 'Humanities at MIT' and other pamphlets of a similar nature."

"This kind of documentation [e.g., 'Prospective Freshman Media Study'] is prototypical of the work we'd like to get into," commented Grossman on Wednesday. "I'd like to see, too, a participant-observation study of the life style of MacGregor, since that'll influence the layout of future dorms." He added, "MIT academic credit may be arranged" for SCEP members working on SCEP projects.

Deficit threatens research

(Continued from page 1) good chance of beginning fairly soon, Cowen said. A new building for the Department of Electrical Engineering and the Research Laboratory of Electronics will go ahead, because substantial amounts of money have already given or pledged to the Institute specifically for that purpose.

Westgate II

Bids for a new "Westgate II" were received this week, and the project will go ahead if costs are low enough and state assisted financing can be arranged.

In an interview with *The Tech*, Cowen predicted that, contrary to the hopes of many, freely available research money will not return once the Vietnam war ends. "The money isn't going to flow as easily as in the past," he remarked.

Operating deficit
Discussing the Institute's op-

erating deficit, Cowen said that MIT has not yet had to dip into its reserved principal to meet operating costs. This principal, he explained, is in two forms: endowment received from bequests and gifts, which cannot legally be spent, and funds set aside by the Institute itself to function as endowment, gathering interest. The latter can be removed from that function by MIT and spent, although that has not yet been necessary. (Some other schools, such as Yale, have already taken such

measures.)

MIT's deficit has, up to the present, been met with unrestricted funds that would have been used for other purposes. The money in this classification has almost been used up, Cowen said.

ICE CREAM ORGY!!!!!!

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Lab spin-off to take 3 years

(Continued from page 1)

dollars; too-hasty divestment of the labs could raise the deficit to well over 25 million dollars. This would be totally unacceptable, he said.

Contracts adjusted

Cusick told the *The Tech* that two or three years would be required to amend present research contracts and debts to get the remaining divisions to pick up their fair share of the new overhead. With the Lincoln Labs' contracts adjusted by raising their interest rate on work, the loss would be reduced to about 2½ million dollars a year above the present three year deficit of 10 million dollars. At present, Lincoln Labs pays MIT about 5.5 million dollars per year in overhead costs.

Miller said that the Draper Labs were having trouble raising the necessary operating capital because hoped-for new contracts were not forthcoming, investment opportunities have been poor, and the present DOD research budget has been tight. The labs would need about 25 million dollars as initial operating capital, Miller noted, and even a large, established company would have difficulty raising such a sum, let alone a small new company. However, he added, there is a possibility of divesting the labs as a non-profit corporation, allowing them to qualify for capital advances from the federal government.

Separate books

One of the biggest problems of the divestment plans will be

the creation of a separate and independent bookkeeping system for the D-Labs. After the labs become a separate division, they would pay MIT for overhead services on a pro-rata basis. During the second severance phase, D-Lab fiscal troubles would be compounded by a lack

of possible sponsors and the unattractiveness of investing now in the aerospace and electronics industries. During the year following the Pounds Panel report, there were several offers to buy the labs, but within the last three months there have been no new offers.

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If your student group, campus organization, or student government is considering any foreign travel, Uni-Travel Corp., as the agent of many Transatlantic air carriers, can arrange low-cost charter transportation and land arrangements for your University group.

Your group must have a minimum of 40 passengers consisting of only students and educational staff of your university and their immediate families.

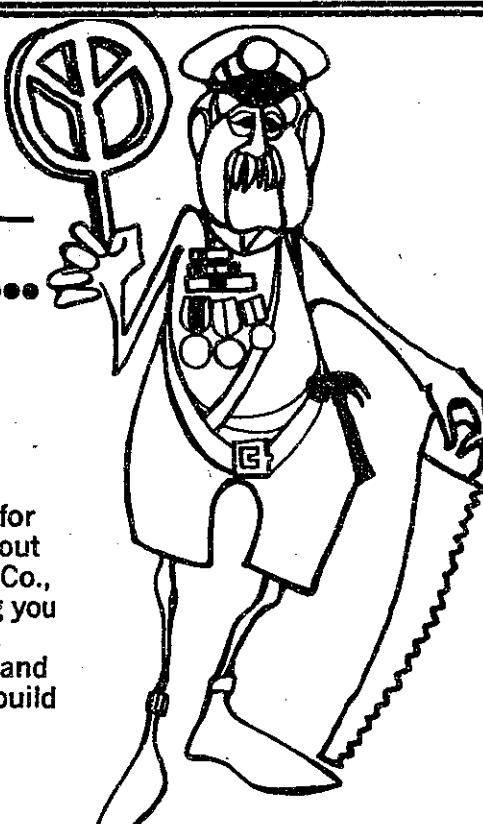
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THE MIT OPERA COMPANY

will hold an organizational meeting on Sunday, Oct. 4 at 7:30 p.m. in the Mezzanine Lounge of the Student Center. All persons interested in any aspect of production (cast, orchestra, crews, business staffs) are cordially invited to attend. Possible productions, scheduling, and community interest will be discussed. If you are interested but cannot attend call x2902 leaving name and phone number.

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Shoot for the TECH!

First meeting for all interested photographers will be

Saturday, Oct. 3, 3:30 pm
Tech Office, MIT Student Center

Experience welcome but not necessary

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TODAY-TUESDAY!
two films by Sam Peckinpah
The Ballad of Cable Hogue
Jason Robards 1:15-5:35-9:55
The Wild Bunch 3:15-7:35

BRATTLE SQ. TR 6-4226

THRU SAT! *The Red and the Black*
5:30-9:45 & *Confession of Felix Krull*
7:50 Sat Mat 3:30 SUN-TUES!
The Knack
7:05-10:10 Sun Mat 4:00 & *Girl With*
The Green Eyes 5:30-8:35

CENTRAL SQ. UN 4-0426

THRU TUES! *They Shoot Horses,*
Don't They? 5:45-9:30 &
Changes 8:00 Weekend mat 4:10

TODAY-TUES!
The Manchurian Candidate
5:15-9:20 &
John Huston's *Moby Dick*
7:25 Weekend Mat 3:15

SAE "A" remains on top as favorites win

The opening week of intramural football saw no great upsets in any of the important games. In A league competition, DTD took SAE 'B' 26-6, BTP took PDT 'A' 27-0, LCA took DU 50-0, and SAE 'A' took PLP 32-7.

In the SAE 'B'-DTD game, DTD controlled the ball for most of the time. The Delt defense complimented their offense's four touchdowns with 4 interceptions, two by Rich Nye, Frank Taylor, Tom Derby,

Wayne Flagg and Jim Shields paced a well balanced offensive attack.

BTP was paced by captain Bill Pinkston, with two touchdowns in shutting out PDT 27-0 while Mike Ashmore scored four as LCA walloped DU. Jerry Low also contributed two TD's. SAE showed why it is still number one by topping PLP.

This weekend sees more games in the schedule setting the stage for next weekend's BTP-SAE 'A' confrontation.

Holcom hurls 3 hitter as batsmen top BU 4-3

By Steve Goldstein

The tech varsity baseball team got back on the winning track for the fall season on Tuesday by taking a usually strong BU squad by a 4-3 score. The Tech attack, rebounding from two disasterous losses to Mass. Bay last week, was paced by the pitching of Chuck Holcom '72 and the hitting of Bob Dresser '71 and Steve Reber '74.

Holcom went the full nine innings giving up three runs but only allowing 3 hits. Reber and Dresser each went two for four; Dresser had a single and a home run; Reber had a single and a triple.

The batmen got two runs in the fourth innings when Reber hit his triple and when Dresser followed with his home run.

Dresser laced a pitch into a line drive down the left field line. The BU fielder moved quickly to try to cut it off rather than play it as an extra base hit and it went right through for the circuit.

MIT scored again in the seventh when Rich Roy '72 was hit by a pitch and Kevin Roland '74 followed with a triple. The last run came in the eighth when Reber, Dresser, and John Peterson '73 connected for consecutive singles to secure the win.

The team will be going down to New York this weekend to meet CCNY for a Saturday game and a Sunday game and will come back to wrap up their fall schedule with another game versus BU at 4:00 pm on Briggs field on Wednesday.



SEE JERRY RUN. All New-England Tech booter Jerry Maskiewics '71, shows why he is one of the finest soccer players around by leaving two visiting defenders in the dust (above) and demonstrating a little ball control (lower r.). The booters meet Trinity on Saturday in Hartford with hopes of avenging last year's 4-1 loss. With personnel like Maskiewics around, it makes it a lot easier.

On Deck

Today

Soccer(V)-Stevens College, home, 3:30 pm
Tennis(V)-ECAC at Army, Sat. also

Tomorrow

Soccer(V)-Trinity, away, 11 am
Soccer(F)-Trinity, away, 11 am
Sailing(V)-NEISA sloop eliminations at Coast Guard, 12:30 pm
Sailing(V)-Decagonal at Tufts, 12:30 pm

Cross Country(V)-WPI, RPI, away, 2:30 pm
Cross Country(F)-WPI, RPI, away, 2 pm
Golf(V)-ECAC at Dartmouth, away
Baseball(V)-CCNY, away, 12 noon

Sunday

Sailing(F)-Octagonal, home 9:30 am
Sailing(V)-Wood Trophy, home, 9:30 am



MAN against MACHINE

...even David needed a sling to slay Goliath...

How would you embarrass, harass, or "sabotage" a large computer system which had done you wrong?

How would you thwart what you see as a technological invasion of your privacy?

How could you undermine the credibility of a national data bank?

We all know someone whose credit has been revoked because they were billed for goods which they never purchased. The FBI may wish to "tag" your library card. There is a computerized list of "potential troublemakers" at the Justice Department.

AS PART OF A LARGER, MORE SERIOUS PROBE OF THE "COMPUTER AND SOCIETY" WE NEED YOUR INSIGHTS:

How might large computer systems and data banks be "abused by their owners?"

How might the aura of infallibility and illusion of omnipotence of such systems be undermined?

How can everyman fight back when confronted by an overbearing computer?

SEND US YOUR IDEAS. THE BEST WILL RECEIVE NATIONAL EXPOSURE.

In addition, honoraria will be awarded in the following categories by a joint MIT-Harvard faculty panel:

THE LITTLE MAN -

How can he obtain redress or "satisfaction" from the computer systems of credit card companies, government agencies, banks, the FBI, ad nauseum? (\$50)

If you, for instance, could arrange employment at, or obtain access to the computer system that had done you dirt, what could you do? Could you, for example, get Tricia Nixon's name into that Justice Department data bank? (\$25)

How can a political party or candidate "neutralize" an opponent's computer. The Saturday Evening Post might have survived had it had access to LIFE's mailing list. How could Harvard pad the polling for its new president? (\$25)

Anything goes, humorous or serious, as long as it's technically feasible. (\$25)

JAMES BOND -

Don't limit yourself to these suggestions, give free rein to your imagination. Make your proposals as specific, detailed, and informative as you can.

Our effort should be completed shortly. To be included, your proposal(s) must be received by WEDNESDAY, OCTOBER 14, 1970. Mail them to:

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Get 10 interesting, on campus, computer dates. Deadline Oct. 30. Write now: Party Mate, PO Box 38, Dayton, Ohio, 45405.

SKIERS Group of six wanted to rent rooms in chalet in Conway, New Hampshire for weekends, from first week in Dec. through last week in March. \$10/person per night for two nights includes breakfasts. Contact Mrs. C. Panek, 35 Upland Road, Watertown, Mass.

The Peoples' Forum and Daily World present Dr. Herbert Aptheker speaking on "United States Foreign Policy, A Marxist Analysis," Sunday, October 4, 2 pm, Hotel Bradford, 275 Tremont St., Boston. Admission \$1, students, GI's, unemployed 50 cents.

For sale - grey herringbone sport jacket, size 39 long, excellent condition; call 547-9389 after 5.

Members of the MIT Community are cordially invited to an organizational meeting of the to-be-formed Hobbiton Marching and Chowder Society on Kresge Plaza Saturday, October 3, 1970. For more information, contact F. Boggins, Sharkey's End.

For sale - several weeks back copies of The Wizard of Id; missing (generally) Tuesdays' and Fridays'; visit The Tech Office, Room W20-483 Wednesday or Sunday nights. First come, first served.

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Friday, October 2, 1970